



John T. Callahan
T (202) 663-7387
jcallahan@sughrue.com

* December 23, 2005

MAIL STOP PCT
Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

10/562006
2100 Pennsylvania Avenue, NW
Washington, DC 20037-3213
T 202.293.7060
F 202.293.1260
401 Castro Street
Mountain View, CA 94041-2007
T 650.625.8100
F 650.625.8110

AIG Bldg. 14F
1-1-3 Marunouchi
Chiyoda-ku Tokyo 100-0005
Japan
T 03.5220.0200
F 03.5220.0222

www.sughrue.com

PCT/KR2004/001546
-filed June 25, 2004

Re: Application of Gyu-Chul YI and Won-Il PARK
P-N HETEROJUNCTION STRUCTURE OF ZINC OXIDE-BASED
NANOROD AND SEMICONDUCTOR THIN FILM, PREPARATION
THEREOF, AND NANO-DEVICE COMPRISING SAME
Assignee: **POSTECH FOUNDATION**
Our Ref: Q92105

Dear Sir:

The following documents are submitted herewith in connection with the above application for the purpose of entering the National stage under 35 U.S.C. §371 and in accordance with the Patent Cooperation Treaty:

- ☒ a copy of the executed Declaration and Power of Attorney.
- ☒ a copy of the International Application. Also enclosed is a copy of the first two pages of WO 2004/114422 A1. The Abstract that appears on the cover page of the pamphlet published by the International Bureau of WIPO is to be used by the USPTO. See MPEP § 1893.03(e).
- ☒ 4 sheets of drawings.
- ☐ an English translation of Article 19 claim amendments.
- ☐ an English translation of Article 34 amendments (annexes to the IPER).
- ☒ a copy of the executed Assignment and PTO 1595 form.
- ☒ a copy of the ISR (Form PCT/ISA/210).
- ☒ a copy of the IPRP (Form PCT/IPEA/409).
- ☒ a PTO/SB/08 A & B (modified) listing the ISR/IPER references.
- ☐ a copy of each reference cited in the ISR/IPER.
- ☒ a Preliminary Amendment.

In addition to the documents submitted herewith, it is assumed that copies of the International Application, the International Search Report and cited references, the International



IAP20 RECEIVED 23 DEC 2005

Commissioner for Patents
December 23, 2005
Page 2

Preliminary Examination Report, and any Articles 19 and 34 amendments as required by §371(c) will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.

It is expressly requested that the national stage of processing be commenced immediately in accordance with 35 U.S.C. § 371(f).

Applicant claims benefit of small entity status in accordance with 37 CFR § 1.27.

The Government filing fee is calculated as follows (Small Entity fees apply):

| | | | | | |
|----------------------------------|------------------------|---|----------|---|-----------------|
| Total claims | <u>11</u> - 20 = _____ | x | \$25.00 | = | <u>\$0.00</u> |
| Independent claims | <u>1</u> - 3 = _____ | x | \$100.00 | = | <u>\$0.00</u> |
| Base Fee | | | | | <u>\$150.00</u> |
| Search Fee* | | | | | <u>\$200.00</u> |
| Examination Fee* | | | | | <u>\$100.00</u> |
| TOTAL FILING FEE | | | | | <u>\$450.00</u> |
| Recordation of Assignment | | | | | <u>\$ 40.00</u> |
| <u>TOTAL FEE</u> | | | | | <u>\$490.00</u> |

* The international search fee for all claims was not paid to the USPTO, as the ISA, but the ISR is being submitted herewith.

Checks for the statutory filing fee of \$450.00 and Assignment recordation fee of \$40.00 are attached. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this transmittal letter is attached.

Priority is claimed from:

| <u>Country</u> | <u>Application No</u> | <u>Filing Date</u> |
|-------------------|-----------------------|--------------------|
| Republic of Korea | 10-2003-0041813 | June 26, 2003 |

Respectfully submitted,

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

John T. Callahan
Registration No. 32,607

WASHINGTON OFFICE

23373

CUSTOMER NUMBER